

Date: Mon, 12 Apr 93 12:30:46 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #452
To: Info-Hams

Info-Hams Digest Mon, 12 Apr 93 Volume 93 : Issue 452

Today's Topics:

 10m is dead?
Announcement - ARRL Information Mail Server (info@arrl.org)
European-size envelopes (2 msgs)
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Radio Shack HTX-202 Help needed.
rec.radio.reorg (new group)
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Replacement Parts
STS-56 Contact with Parkway Middle School (2 msgs)
STS-56 Element Set GSFC-014
Trapped Dipoles Yea or Nea?
Unknown Freq

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 12 Apr 1993 18:49:58 GMT
From: sdd.hp.com!col.hp.com!fc.hp.com!jayk@network.UCSD.EDU
Subject: 10m is dead?
To: info-hams@ucsd.edu

>Thats what everyone says -- what they mean is 10m F2 is becoming less
>frequent as the flux declines.

>

>But keep in mind:

>

>1. The solar flux becomes very variable from day to day around the
>minimum. It can suck bad for several days then open up. The problem
>there is there are few people looking for the openings! Listen to the
>beacons and call CQ!

The flux actually gets very stable in the sunspot minimum. It will go for months and months in the range of 69 to 71.

>2. Sproadic E will always be around during the summer. Just wait for
>the right times (and hope there are other 10m enthusiasts out there!).

Yes E skip is good during the summer as well as December regardless of the solar flux. Makes for good US contacts. I got 10 meter WAS during the sunspot minimum before last.

>3. try CW (or a digital mode). Often you can find nothing on SSB but
>there is interesting stuff at the low end of the band.

The Novice bands are the place to listen. Lots of local contacts going on in the the Novice SSB segment. You hear these contacts as the band opens up.

>4. go for north-south paths. Forget about over the pole!

Yep.

>5. There is always the mode A (or mode K) Russian satellites if the
>band is dead!

If you have a gain antenna, and a bit of power, backscatter contacts can be had on 10 meters during the minimum. Point your antenna southeast in the morning, south during midday, and southwest in the afternoon. You can work other US and Canada stations also beaming that direction looking for backscatter.

: Well I don't know if I'd call it dead. Perhaps it's expiring? But I
: tried to work 9G1AA and F040K today on 10 SSB, and heard a ZL2 and saw
: spots for V73C and a few others. Not bad pickins for a dead band.

When the flux gets down to the 70 range most 10 meter DX contacts will be with South and Central America. From here (Colorado) we will still work the occasional African (the farther south he is the better) and we get frequent short VK/ZL openings.

I operated the ARRL DX contest from St. Kitts (V4) during the last minimum. 10 meters was open to the US about three hours the whole contest weekend.

Date: 12 Apr 93 10:31:20 EDT
From: psinntp!arrl.org@uunet.uu.net
Subject: Announcement - ARRL Information Mail Server (info@arrl.org)
To: info-hams@ucsd.edu

I am sorry to hear that a few folks have had some problems with the use of our server. I do get email from time to time from folks who are reporting non-delivery. In most cases, there was a delay somewhere along the way and the requested files arrive at their destination before my explanation.

Email on the internet is a strange beast, indeed. The message to info@arrl.org, or its reply, can be delayed at any of several points along the way. Delivery is not guaranteed. We have seen delays in our internal mail gateway machine, or my machine (the '386 that keeps all of our files and the server software). In fact, if I want to run WordPerfect, I turn off the server just to speed things up. :-). There have been a few occasions of three-day delays if things got hung up at the wrong time. Most of the time we try to turn things around much quicker.

I will also point out that we have seen some real strange things in the incoming mail. I get failed mail with invalid hosts (user@localaddress), invalid users at good hosts, and a host (groan) of other failed mail messages. I also get blank messages, English messages to our automated server, and people who just plain make commands up hoping they would work. Early on, we added an alias file so that the SEND command will also recognize GET, SEND FILE, etc. INDEX is aliased to LIST, INFO and FILES, just to accomodate the users who either have not seen the HELP file, or who have not actually read it. :-).

If anyone has had a problem with the server, please ascertain that your From: or Reply-to: address are valid internet addresses. We have just added a REPLY command, so you can always tack your valid internet address there. If all else fails, send me an email -- I will see how I can help. (Please include your Internet address in the text of the message so I can compare it with your header information.)

73 from ARRL HQ, Ed

N

Ed Hare, KA1CV ehare@arrl.org
American Radio Relay League

225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

You will never put the puzzle together
if you keep putting all the pieces
back in the box.

Date: 12 Apr 93 17:14:16 GMT
From: news-mail-gateway@ucsd.edu
Subject: European-size envelopes
To: info-hams@ucsd.edu

I've seen several references recently to "standard European size envelopes"
(for QSL returns) but no one has posted what the "standard size" is. Does
anyone have the dimensions? thanks

N6MZ mikemr@microsoft.com

Date: 12 Apr 1993 18:20:53 GMT
From: usc!cs.utexas.edu!tamsun.tamu.edu!TAYLOR.TAMU.EDU!gtaylor@network.UCSD.EDU
Subject: European-size envelopes
To: info-hams@ucsd.edu

In article <9304121718.AA10370@netmail.microsoft.com> mikemr@microsoft.COM
(Michael Mraz) writes:

>From: mikemr@microsoft.COM (Michael Mraz)
>Subject: European-size envelopes
>Date: 12 Apr 93 17:14:16 GMT
>I've seen several references recently to "standard European size envelopes"
>(for QSL returns) but no one has posted what the "standard size" is. Does
>anyone have the dimensions? thanks
>
>N6MZ mikemr@microsoft.com

The ones I have measure 19x14mm and for the SASE 12x16.5

73's Greg

Greg Taylor, KD4HZ // g-taylor4@tamu.edu // 409-845-4445 // Fax-847-8744

Date: Mon, 12 Apr 1993 16:32:12 GMT
From: amdcad!angelo!clark@decwrl.dec.com
Subject: Hamming on St. Thomas, USVI?
To: info-hams@ucsd.edu

n2gj@phsbbs.princeton.nj.us (Gerry Jurrens) writes:

>HI!
>
>We're planning a vacation trip to St. Thomas in the US Virgin Islands
>this summer. Anyone know anything about ham radio there? Is it worth it
>to bring along a 2m HT for example? Are there radio clubs there?
>
>Any info would be appreciated.
>

There are a couple of repeaters on St. Thomas, a couple on St. Croix, and even one on Tortola that are reachable by HT..... There used to be a lunch every Wednesday just west of Christiansted, at a place called the Quarter-deck, with a lot of the USVI (and a few of the BVI) hams showing up for good eats and Adult Bevvies. I don't know if the location has moved, but I think the weekly lunch is still going on.....

I forget the freqs of the island repeaters, but they're pretty common.

Enjoy!

Brad // NP4AI

Date: 12 Apr 93 18:02:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: R5/R7 Antenna questions...
To: info-hams@ucsd.edu

>
> I'm thinking about putting a Cushcraft R5/R7 on the top of my 40 ft tower
> with 8 ft of mast (48) ft. I would be interested if anyone else has had
> any problems putting it up that high ??? Also what about the wind resistance
> will it bend over??? How did it perform ???
>
> Any other comments for or against would be appreciated.
>

Well -- I have had a R7 mounted on a mast attached to the roof (up abt 35') for about a year now. It works fine and has been through 60 mph winds. It does bend a lot and is scary to watch, but always comes back to vertical when the wind dies. Performance seemed better than when it was mounted lower to

the ground. Hope this helps...

Ed

```
~~~~~  
~ Edward W. Kleckner K6-84   Internet:   ew_kleckner@pnl.gov ~  
~ Battelle Northwest                n7yqr@amsat.org ~  
~ Battelle Blvd.             Packet:   N7YQR@WA7EAQ.WA.USA.NA ~  
~ Richland, Washington        Voice:      (509) 376-8425 ~  
~ 99352-0999                  FAX:        376-5368 ~  
~~~~~
```

Date: Mon, 12 Apr 93 18:13:45 GMT
From: pacbell.com!amdahl!netcomsv!bongo!skyld!janguis@network.UCSD.EDU
Subject: Radio Shack HTX-202 Help needed.
To: info-hams@ucsd.edu

In article <C5C82o.6F1@acsu.buffalo.edu> noah@acsu.buffalo.edu writes:

> Hello all I hope someone out in net-land can help me out. I just bought
> a slightly used Htx-202 radio and I need the book for it. Is someone

All operation and service manuals are available from Tandy. Just walk into
any local Radio Shack store and ask to order them. Just make sure that the
person behind the counter fully understands what you want AND writes it
down correctly. I have ordered service manuals for all of the Radio Shack
goodies I have purchased over the years.

netcom!bongo!janguis@skyld.tele.com "Als ik Kan", Gustav Stickley
US Mail: PO Box 4425 Carson, CA 90749-4425 1 (310) 324-6080

Date: Mon, 12 Apr 1993 13:53:06 GMT
From: pacbell.com!amdahl!netcomsv!bongo!julian@network.UCSD.EDU
Subject: rec.radio.reorg (new group)
To: info-hams@ucsd.edu

There has been much banter and flamage about the proposal to solve
personal problems with yet another reorganisation of the
wrecked.radio.by.amateurs groupings. So I want to propose yet
another damn group.

I know it will be well subscribed and possibly well cross
posted. I humbly offer to the community:

rec.radio.amateur.reorganisation

It should be unmoderated, but we will let people take turns pretending they are the moderator.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Date: Mon, 12 Apr 1993 15:33:17 GMT
From: infonode!ingr!b8!ldf.b24a.ingr.com!ldfrost@uunet.uu.net
Subject: Remote control of ATV
To: info-hams@ucsd.edu

In article <186072@pyramid.pyramid.com>, andrem@pyrtech.mis.pyramid.com (Andre Molyneux) writes:

|>

|> I have a question regarding the ATV transmissions and whether or not
|> they can legally be controlled remotely. I'm a member of the
|> Nor-Cal Shelby club, and am hoping to set up an in-car camera at
|> one of the upcoming open-track events. I will not be the driver of
|> the car, and was wondering if it would be legal to have a camera
|> broadcasting from a car that didn't have a licensed amateur in it as
|> long as I retained control remotely.

|>

stuff deleted.

```
|> | Andre Molyneux    KA7WVV      "Insert your favorite disclaimer here"      |
|> +-----+-----+-----+-----+-----+-----+-----+-----+-----+
|> |      -===== PYRAMID TECHNOLOGY CORP |Internet:      |
|> |      -===== 3860 N. First Street   | andrem@pyramid.com |
|> |      -===== San Jose, CA 95134     |Packet:      |
|> |-----===== (408) 428-8229        | ka7wvv@n0ary.#nocal.ca.usa.na |
|> +-----+-----+-----+-----+-----+-----+-----+-----+-----+
```

I don't see why this should be illegal. It's just like the local ATVers here in Huntsville, AL have a remote camera mounted on Montesano mountain overlooking the city that is remotely controlled. In your case, the driver of the car is not the control operator. He's not operating the transmitter; he's driving the car.

Have fun! After all, thats part of what Amateur radio is all about....

Larry |^^^^^^|
(|(o) (o)|) Kilo Delta Four Yankee Delta Golf...at y'er service
===!!!=====U=====!!!=====

Larry D. Frost
AE EE Application Support ingr!b24a!ldf!larry
(205)730-8425 larry@ldf.b24a.ingr.com

Intergraph Corporation, Huntsville, AL 35894-0001
=====

Date: 12 Apr 1993 17:02:07 GMT
From: usc!cs.utexas.edu!tamsun.tamu.edu!cs.tamu.edu!kurt@network.UCSD.EDU
Subject: Remote control of ATV
To: info-hams@ucsd.edu

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|> the car, and was wondering if it would be legal to have a camera
|> broadcasting from a car that didn't have a licensed amateur in it as
|> long as I retained control remotely.

To quote a sneaker advertising slogan: Just do it.

I assume that the driver doesn't have any control over it. Therefore,
you are in control.

It's a neat idea. Just do it.

73/Kurt

--
Kurt Freiburger, wb5bbw kurt@cs.tamu.edu 409/847-8607 fax:409/847-8578
Dept. of Computer Science, Texas A&M University DoD #264: BMW R80/7 pilot
"We preserve our freedom using three boxes: ballot, jury, and cartridge."
*** Not an official document of Texas A&M University ***

Date: 12 Apr 93 18:10:36 GMT
From: news-mail-gateway@ucsd.edu
Subject: Replacement Parts

To: info-hams@ucsd.edu

>q1) i'm looking for some transistors:

>

> bc107 (small metal can)

> bc141-10 (metal can)

>

>i suppose they are european because of the "bc***" designation.

>>would anyone in the know please let me know if they are still in production

>and if so, where i can buy them in small quantity (10~20) ?

>

>

--aki

From: Cecil_A_Moore@ccm.hf.intel.com

NTE and ECG carry cross-replacement parts and are supported by many local electronics stores like Circuit Specialists in Mesa, AZ.

The NTE cross-replacement parts are BC107=NTE 123A, and BC141-10=NTE 128

The ECG cross-replacement parts are ECG 123A and ECG 128.

Please post your Internet address next time...thanks, KG7BK

Date: Mon, 12 Apr 1993 17:22:08 GMT

From: telesoft!garym@uunet.uu.net

Subject: STS-56 Contact with Parkway Middle School

To: info-hams@ucsd.edu

This morning I was over at Parkway Middle School in El Cajon, CA where they had a scheduled contact with the Shuttle. Everything went great! Ellen Ochoa, KB5TZZ, on board Discovery answered after a couple calls from Kerry Banke, N6IZW, about 1 minute after the predicted AOS time. Ellen's brother, Monte, was on hand and exchanged greetings with Ellen and then turned over the mike to the first student. The shuttle was coming thru loud and clear, with both the questions and the answers coming over the PA system in the auditorium. We were fortunate to have a good orbiter attitude with the SAREX antenna pointed in our direction and all the equipment work fine.

Eleven students took turns each asking a question and Ellen clearly heard and answered each one. Several students helped with the setup and operation of the SAREX ground station, two students operated the elevation and azimuth controls to keep the antenna pointed at the shuttle during the pass. It was a real thrill for about 150-200 people in the auditorium, mostly students, with parents, teachers, and news media also on hand.

Two of the local TV stations sent out camera crews and videotaped the event

for the local news. We'll have to watch the news tonight and see what kind of coverage we get. The students also use the school A/V equipment to make there own videotape of the event, and recorded the audio from the uplink/downlink as well.

--GaryM

--

Gary Morris KK6YB	Internet: garym@telesoft.com
Alsys Group	Packet: KK6YB@KC6NZN
San Diego, CA USA	Phone: +1 619-457-2700 x128

Date: Mon, 12 Apr 1993 18:09:06 GMT
From: telesoft!garym@uunet.uu.net
Subject: STS-56 Contact with Parkway Middle School
To: info-hams@ucsd.edu

This morning I was over at Parkway Middle School in El Cajon, CA where they had a scheduled contact with the Shuttle. Everything went great! Ellen Ochoa, KB5TZZ, on board Discovery answered after a couple calls from Kerry Banke, N6IZW, about 1 minute after the predicted AOS time. Ellen's brother, Monte, was on hand and exchanged greetings with Ellen and then turned over the mike to the first student. The shuttle was coming thru loud and clear, with both the questions and the answers coming over the PA system in the auditorium. We were fortunate to have a good orbiter attitude with the SAREX antenna pointed in our direction and all the equipment worked fine.

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--GaryM

--

Gary Morris KK6YB	Internet: garym@telesoft.com
San Diego, CA USA	Phone: +1 619-457-2700 x128

Date: 12 Apr 93 18:16:06 GMT
From: news-mail-gateway@ucsd.edu
Subject: STS-56 Element Set GSFC-014
To: info-hams@ucsd.edu

SB SAREX@AMSAT \$STS-56.012
STS-56 Element Set GSFC-014

Enclosed is the latest Keplerian data for STS-56 as generated by
Ron Parise, WA4SIR at the Goddard Space Flight Center. Element Set
GSFC-014 is currently 19 seconds earlier than set GSFC-011a.

STS-56

1 22621U 93 23 A 93102.43207146 0.00059046 00000-0 16177-3 0 149
2 22621 57.0024 159.4708 0006016 323.5261 36.5406 15.93561138 682

Satellite: STS-56

Catalog number: 22621

Epoch time: 93102.43207146 (12 APR 93 10:22:10.98 UTC)

Element set: GSFC-014

Inclination: 57.0024 deg

RA of node: 159.4708 deg Space Shuttle Flight STS-56

Eccentricity: 0.0006016 Keplerian Elements

Arg of perigee: 323.5261 deg

Mean anomaly: 36.5406 deg

Mean motion: 15.93561138 rev/day Semi-major Axis: 6670.4589 Km

Decay rate: 0.59E-03 rev/day*2 Apogee Alt: 296.08 Km

Epoch rev: 68 Perigee Alt: 288.06 Km

NOTE - This element set is based on NORAD element set # 014.
The spacecraft has been propagated to the next ascending
node, and the orbit number has been adjusted to bring it
into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

Date: Mon, 12 Apr 1993 16:54:26 GMT
From: usc!howland.reston.ans.net!wupost!uwm.edu!linac!att!cbnews!m!
jeffj@network.UCSD.EDU
Subject: Trapped Dipoles Yea or Nea?
To: info-hams@ucsd.edu

I am currently using a shortened G5RV that works great on 20 and 40 meters but isn't, to say the least, all that great on 10 and 15 meters. I have a book on wire antenna's that shows how to build a trapped dipole that is resonant on 10 through 40 meters and as I work a lot of 15 meter DX this looks like a better antenna for my uses. What are the benefits and drawbacks of a trapped dipole? I realize there is some loss in the traps but as I am running around 400 watts on SSB I can stand to lose some power. Thanks for any help here! 73!

Jeff

--

Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

Date: Mon, 12 Apr 1993 17:02:40 GMT
From: ACF1.NYU.EDU!JCKSNSTE@nyu.arpa
Subject: Unknown Freq
To: info-hams@ucsd.edu

Hi All,

Anyone know what's on 145.510 in New Jersey? I was looking for shuttle rebroadcast activity yesterday and came across data on that freq. It wasn't one way, either. I distinctly heard three or four different stations communicating with each other (based on transmission strength) just squawking data repeatedly. Is that packet radio or something? It was so continuous, that I didn't think it was RTTY or a human keying data.. it sounded like a stream.

Just wondering!

Steve

(jcksnste@acf1.nyu.edu)

Date: 12 Apr 93 15:35:28 GMT
From: access.usask.ca!kakwa.ucs.ualberta.ca!alberta!adec23!usenet@decwrl.dec.com
To: info-hams@ucsd.edu

References <C52AxC.KE3@hpuerca.atl.hp.com>,
<1993Apr6.142852.11741@mnemosyne.cs.du.edu>,
<paulf.734121887@abercrombie.Stanford.EDU>
Subject : Re: policing reorg (Was: Re: RFD rec.radio.amateur reorg)

paulf@abercrombie.Stanford.EDU (Paul Flaherty) writes:

>This is the correct interpretation. The implication is that the .misc group
>is not needed, as it thus only serves as a large soap box for flame baiting.

Beware, sounds like we are creating a new newsgroup called r.r.a.misc to
be used as a dumping ground for flame wars! :-)

>I still think that we may be better off if we can find a way to improve
>posting quality. Perhaps with a little peer pressure, and some posting
>guidelines, we might be able to achieve better results.

This sounds like we should start using our self policing native to Amateur
Radio. If the current FAQs associated with the news group(s) are not doing
the job, we may need more (and smaller) FAQs, posting guidelines and
welcome articles. I think this is in the works in the rra-reorg mail
list as we speak, so rest assured this is being addressed.

Peer pressure requires some committed individuals to periodically send
private email guiding the poster when he strays. I think we do have a
couple of people that do this, perhaps some co-ordination is in order ...

Ciao -- Mark

End of Info-Hams Digest V93 #452
